

DUTY 138 kV EXTENSION
APPALACHIAN POWER COMPANY

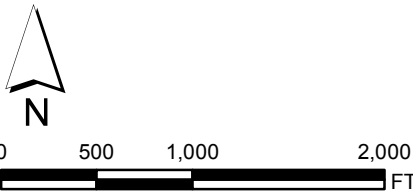
Legend

- RESIDENCE WITHIN 500 FT OF PREFERRED OR ALTERNATIVE CENTERLINE
- BARN WITHIN 500 FT OF PREFERRED OR ALTERNATIVE CENTERLINE
- Segment A FINAL ALTERNATIVE CENTERLINES, 100 FOOT RIGHTS-OF-WAY & SEGMENT LABEL
- Segment A PREFERRED ALTERNATIVE CENTERLINE, 100 FOOT RIGHT-OF-WAY & SEGMENT LABEL
- AVOIDANCE AREA
Avoidance areas include those areas for which there is no law or regulation that prohibits a transmission line, but would require special consideration and mitigation.
- STUDY AREA
- NWI WETLANDS
- U.S. BICYCLE ROUTE 76
- 100 YEAR FLOODPLAIN (FEMA)
- EXISTING TRANSMISSION LINE
- PROPERTY LINES (APPROXIMATE)
Property lines are not based on accurate ground survey, and are therefore not to be construed or used as exact depictions of legal boundaries.

Segments Utilized in Final Alternatives

ROUTE	SEGMENTS	DESCRIPTION
ALT. 1A	A-B-C-D	Buildable Alternative
ALT. 1B	A-B-C-G-H	Buildable Alternative
ALT. 2A	A-E-F-C-D	Buildable Alternative
ALT. 2B	A-E-F-C-G-H	Buildable Alternative
ALT. 3	A-E-I-J-H	Preferred Alternative

REFERENCES:
Aerial photography (2002) provided by
Commonwealth of Virginia



DATE: 1/7/2008

EXHIBIT X
GIS CONSTRAINTS MAP
FINAL ALTERNATIVES

(See Map 1 for full detail)